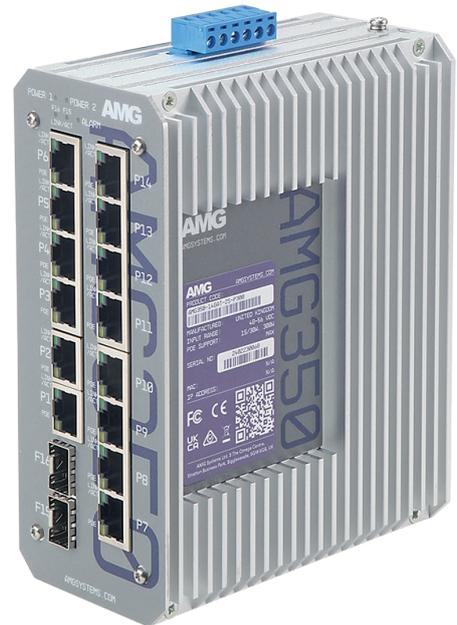


AMG350-14GAT-2S-P300 INDUSTRIAL UNMANAGED HIGH PORT COUNT SWITCH WITH 30W POE



Industrial Ethernet Solutions

AMG's unmanaged high port count Ethernet switches provide 100Mbps or Gigabit Ethernet switching for simple edge network applications with 30W PoE. Available with 14x RJ45, and 2x SFP ports for maximum system flexibility.



 Gigabit x14	 Gigabit x2	 Temp -40°C~+75°C	 Mounting DIN/Surface	 PSU x2 Dual	 Protection IP40	 NDA/TAA Compliant
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[AMG350-14GAT-2S-P300]

/ OVERVIEW

Designed in a thermally efficient DIN rail or wall mount housing, the AMG350 series unmanaged Ethernet switches are ideally suited for connecting edge devices to Ethernet networks where more complex management functions are not required. Long distance connections are supported using all types of fiber through the integrated SFP port(s). Fiber connectivity is determined by separate SFP device selection, providing application and site flexibility.

Available as a PoE model for IEEE802.3at 30W that is suitable for powering PoE devices over a wide industrial operating temperature range.

Fitted with dual redundant power inputs and power failure alarm relay ensures maximum operating reliability and the highest levels of performance.

A wide range of models are available in the AMG350 unmanaged switch series to suit all design requirements.

SFPs and PSUs need to be ordered separately.

/ FEATURES

- Innovative thermally efficient housing ensures high levels of device reliability under full load
- -40°C to +75°C temperature maintains performance in extreme conditions
- Plug & Play – no need for any user configuration
- DIN rail mountable – quick to install and remove for maintenance
- All SFP ports are Gigabit speed – support single and multimode, single or dual fiber options up to 120Km
- Dual redundant power inputs with fault relay
- Supports 15W and 30W PoE
- Auto-Negotiation (802.3u) – automatically determines the best connection speed
- Designed in the USA & UK. Manufactured in the United Kingdom
- AMG Lifetime Support Warranty

Specifications.

Standards.

IEEE802.3i	10Base-T
IEEE802.3u	100Base-TX
IEEE802.3ab	1000Base-T
IEEE802.3z	1000Base-X
IEEE802.3af	15W PoE
IEEE802.3at	30W PoE+
IEEE802.3x	Flow Control

Jumbo Frames	9Kbytes
Address Table	8K MAC Entries
Switch Fabric	32 Gbps
Buffer Memory	4.1M bits

Interface.

LED Indicators	2x Power SFP Link/Activity RJ45 Link/Activity PoE Alarm
RJ45 Ports	14x 10/100/1000T(X) RJ45 with Auto MDI/MDI-X with 2 kV Isolation Protection
SFP Slots	2x 1000FX SFP
Power/Relay	1x 6-way Screw Terminal

Power.

Power Inputs	2
Operating Voltage	48-56V _{DC}
Power Consumption	6W Max (without PoE Load)
Total PoE Budget	300W Max
PSE Modes	Mode A
PoE Enabled Ports	Ports 1-14
Protection	Reverse Polarity Overload Current
Alarm Relay	Form A 24V @ 1A Max

Packaging.

Shipping Weight	1.41kg / 3.11lb
Dimensions	(W x D x H) 260 × 200 × 60 mm 10.24 × 7.87 × 2.36 in

Mechanical.

Housing	Anodised Aluminium
Dimensions:	(W x D x H) 65 × 125 × 156 mm 2.56 × 4.92 × 6.14 in
Excluding DIN & Wall Mounts	
IP Rating	IP40
Installation	Wall Mount or DIN-Rail
Weight	1.23kg / 2.71lb

Environmental.

Operating Temp.	-40 to +75°C / -40 to +167°F
Storage Temp.	-40 to +85°C / -40 to +185°F
Humidity	5% to 95% (non-condensing)
MTBF	504,739 hours
MTBF Standard	Telcordia SR-332 GB 50°C
Heat Dissipation	1044 BTU/h (with 300W PoE load)
Cooling	Passive Cooling
Noise Level	0 dBA

Regulatory.

Safety	IEC/EN 62368-1
EMI	EN 55032 Class A CISPR 32 EN55035
EMS	FCC Part 15B Class A EN 61000-4-2 (ESD) EN 61000-4-4 (EFT) EN 61000-4-5 (Surge)
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Environmental	Reach, RoHS, WEEE
Supply Chain	NDA & TAA Compliant

Designed to meet NEMA TS2 & EN 50121-4

Part Numbers.

16 Port Unmanaged 1Gb Ethernet Switch

AMG350-14GAT-2S-P300

14x 10/100/1000TX 30W PoE (300W Max), 2x 1G SFP (100Mb SFP's Not Supported)

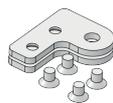
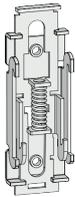
Included Accessories.

DIN Rail Adapter

Rear Mounted Metal DIN Rail Clip & Screws For DIN Rail Mounting AMG350 Series Products

Wall Mounting Brackets

2x Wall Mounting Brackets & Screws For Wall / Surface Mounting AMG350 Series Products



Recommended PSUs.

PoE Models

AMGPSU-I48-P240

DIN-Rail Mounting Industrial Grade PSU, -40 to +70°C, 48-53VDC, 240W*^

AMGPSU-I48-P480

DIN-Rail Mounting Industrial Grade PSU, -40 to +70°C, 48-55VDC, 480W*^

* Also available in kit form including mains line cord, DC cable and DIN rail. Order with -K at the end of the part code (e.g. AMGPSU-I48-P120-K).

^ Also available with no exposed mains terminals and direct IEC input kit. Order with -IEC at the end of the part code (e.g. AMGPSU-I48-P120-IEC).

Optional Accessories.

AMG2035

Side Mounted Wall Bracket Adapter Kit For DIN Rail Mounting AMG350 Series Products In Depth Restricted Installations. Adapter Kit Can Be Extended Using The Included Extension Kit To Also Mount A DIN Rail Power Supply Up To 480W

In a continuing effort to improve and advance technology, product specifications are subject to change without notice. Please visit www.amgsystems.com for the latest product specifications.

Proud to be a British
Manufacturer 

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